

F16.1 System for Selecting  
Television Channels for display  
on a Television Receiver

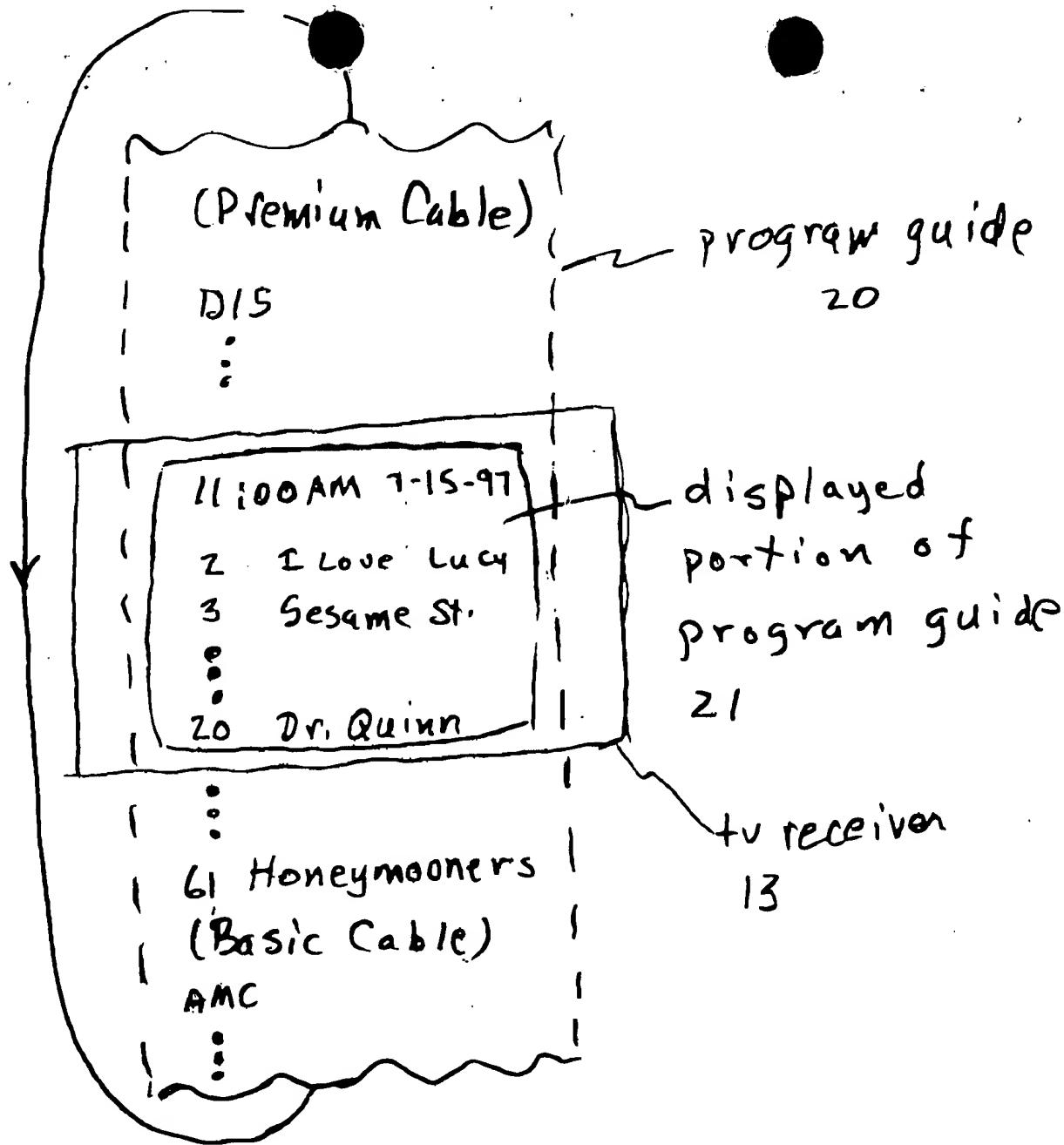


FIG. 2 Program Guide Channel  
(Prior Art)

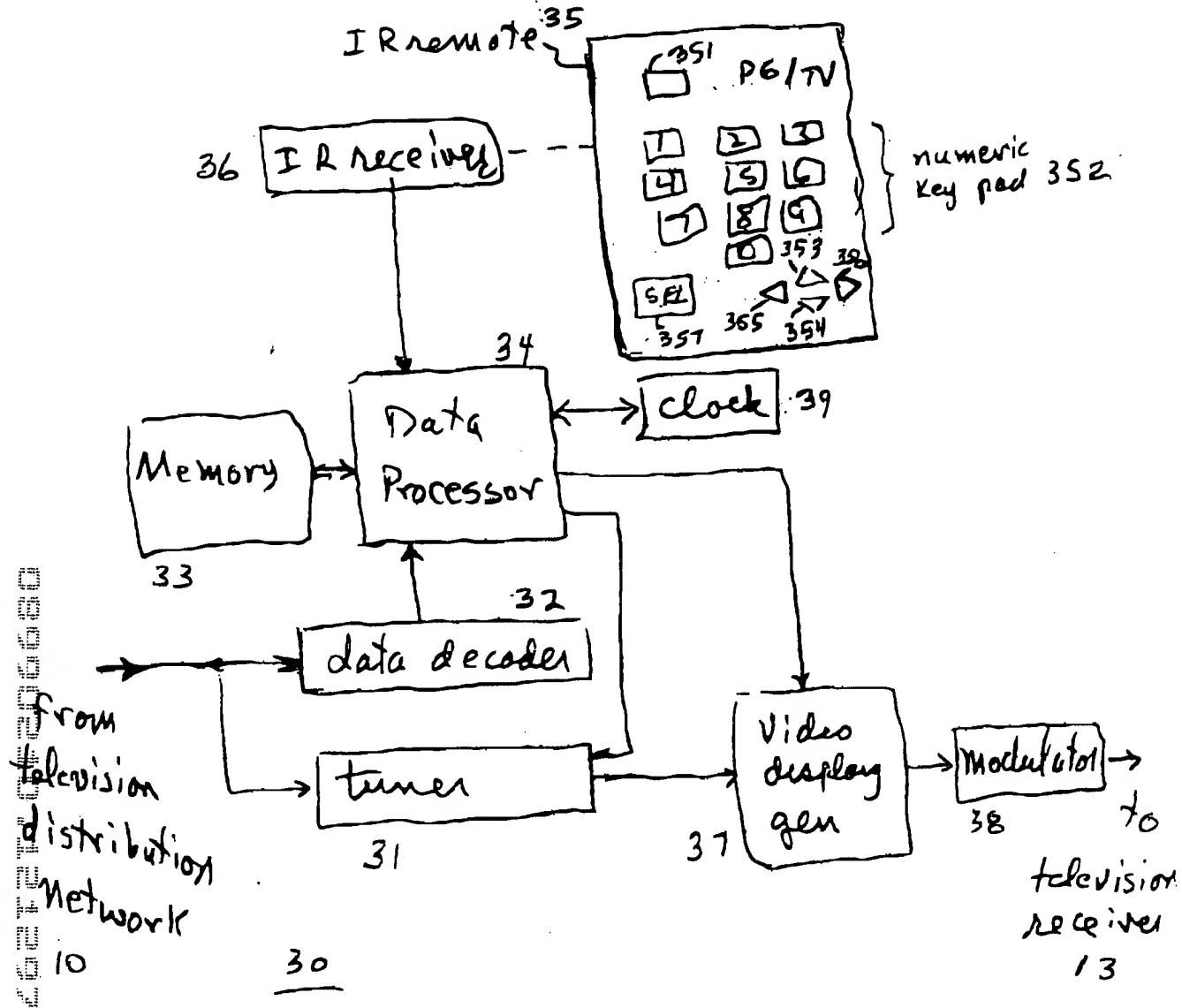


FIG. 3 User-Interface unit for  
 an Interactive Electronic  
 system  
 Program Guide, (Prior Art)

42 CP6 (blinking)

	11:00 AM	11:30 AM	12:00 PM	...
2	" I Love Lucy "	All in the Family	News	
3	Sesame St.	News		
4				
				43 Selected program (underlined)
				...
7.0	D.A. Quinn	News		
	11:05 AM - 44			

television  
receiver

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FIG. 4 Program Guide Displayed  
on a Television Receiver

Interactive Electronic Program Guide  
System with Sideways Supply Capability

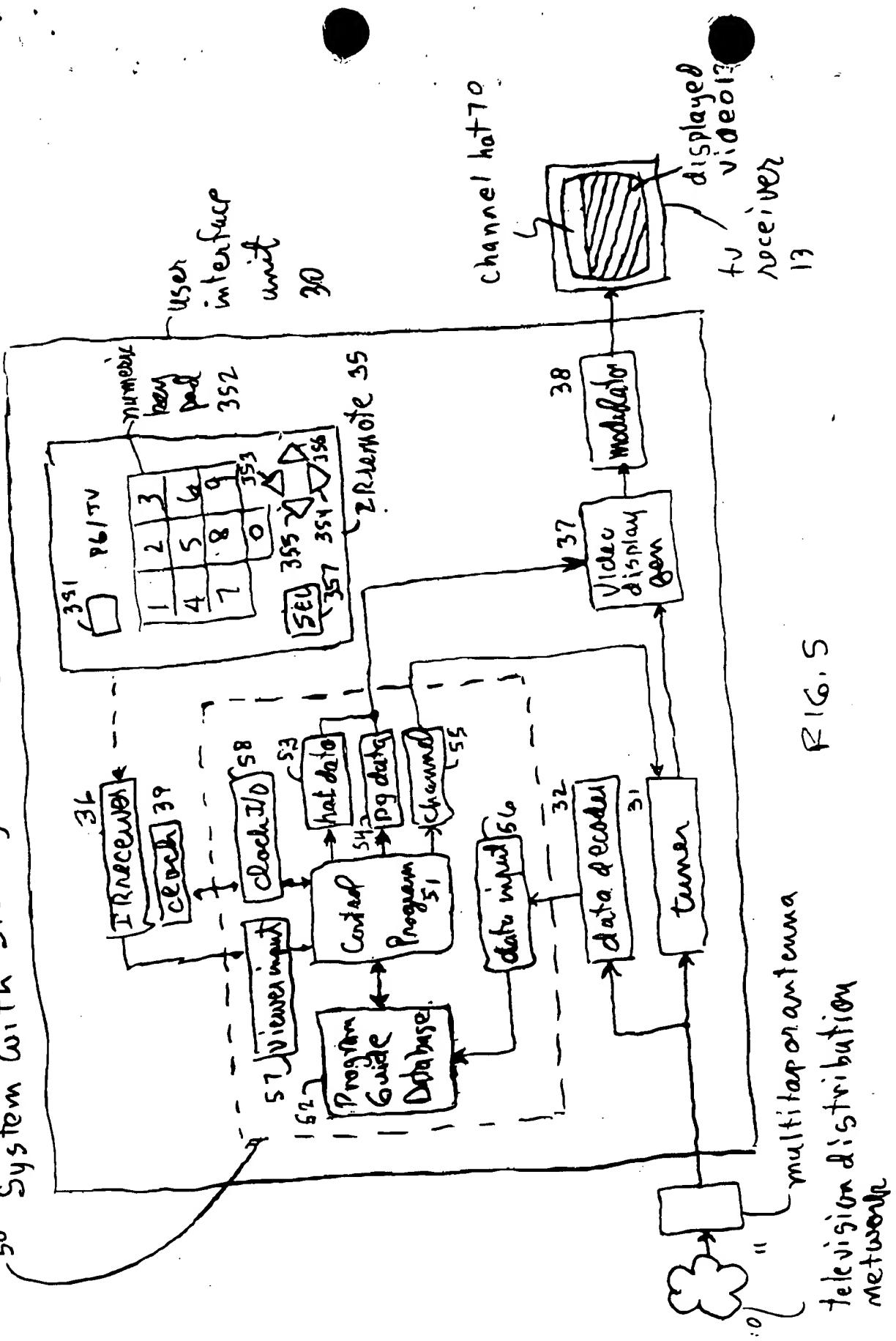


Fig. 5

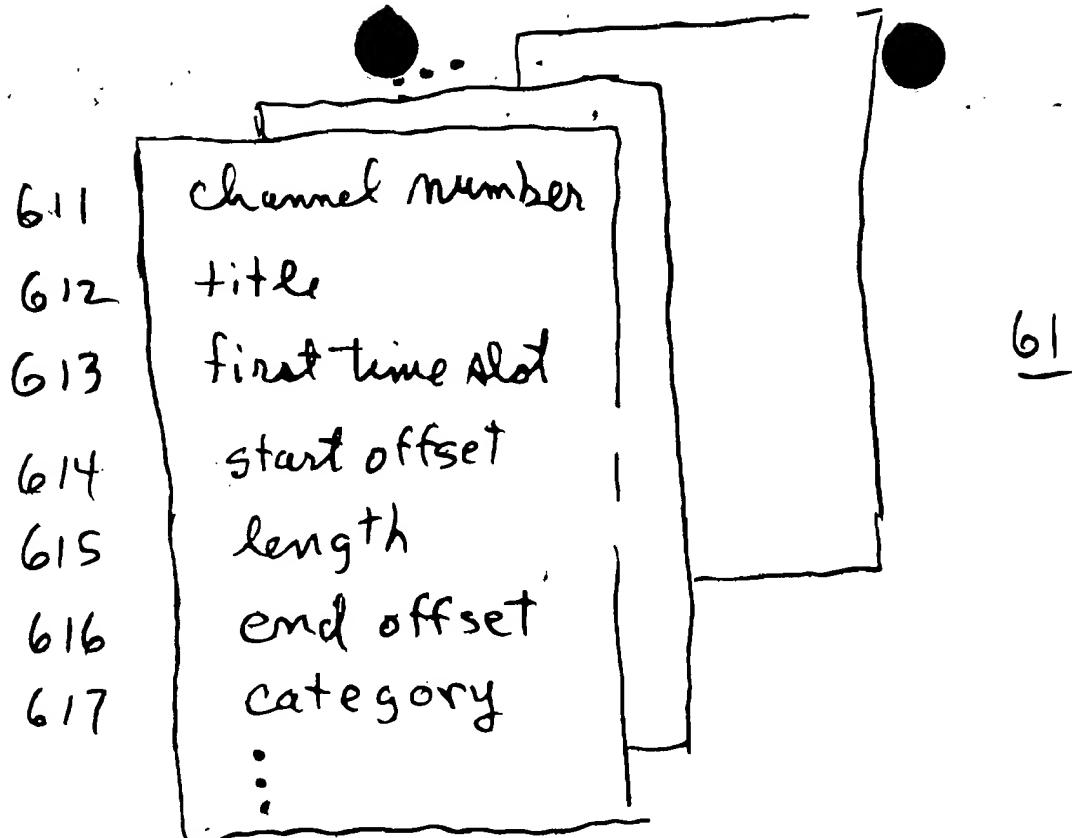


FIG. 6A Program-Guide Database

- 63 SLE Surf left enable
- 64 SLN Surf left channel no.
- 65 SRE Surf right enable
- 66 SRN Surf right channel no.
- 67 NCN Next Category channel no.
- 68 PCN Previous Category Channel no.

FIG. 6C Variables Maintained by  
Electronic Program Guide to  
Support Sideways Surfing

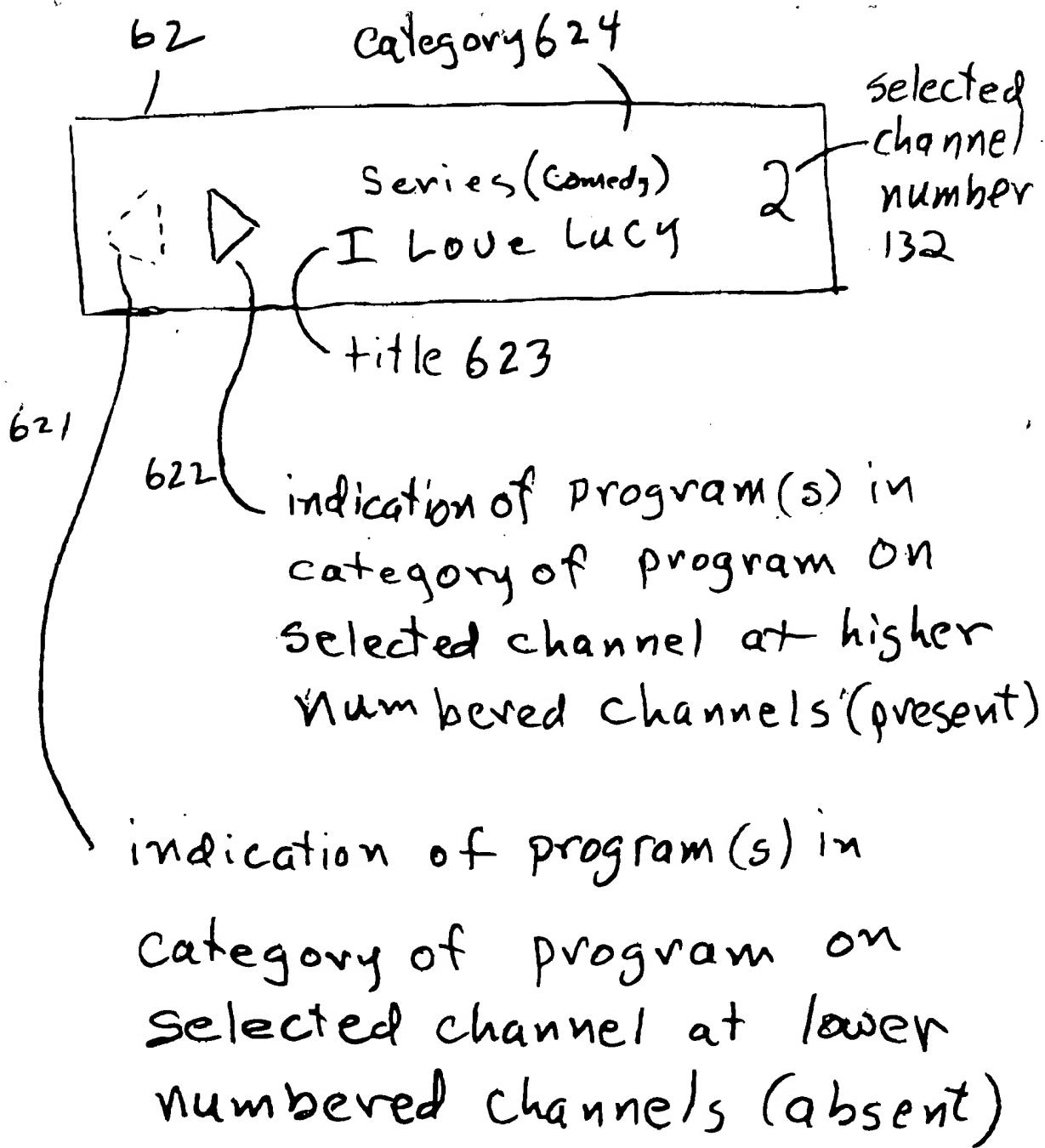


FIG. 6B Channel Hat

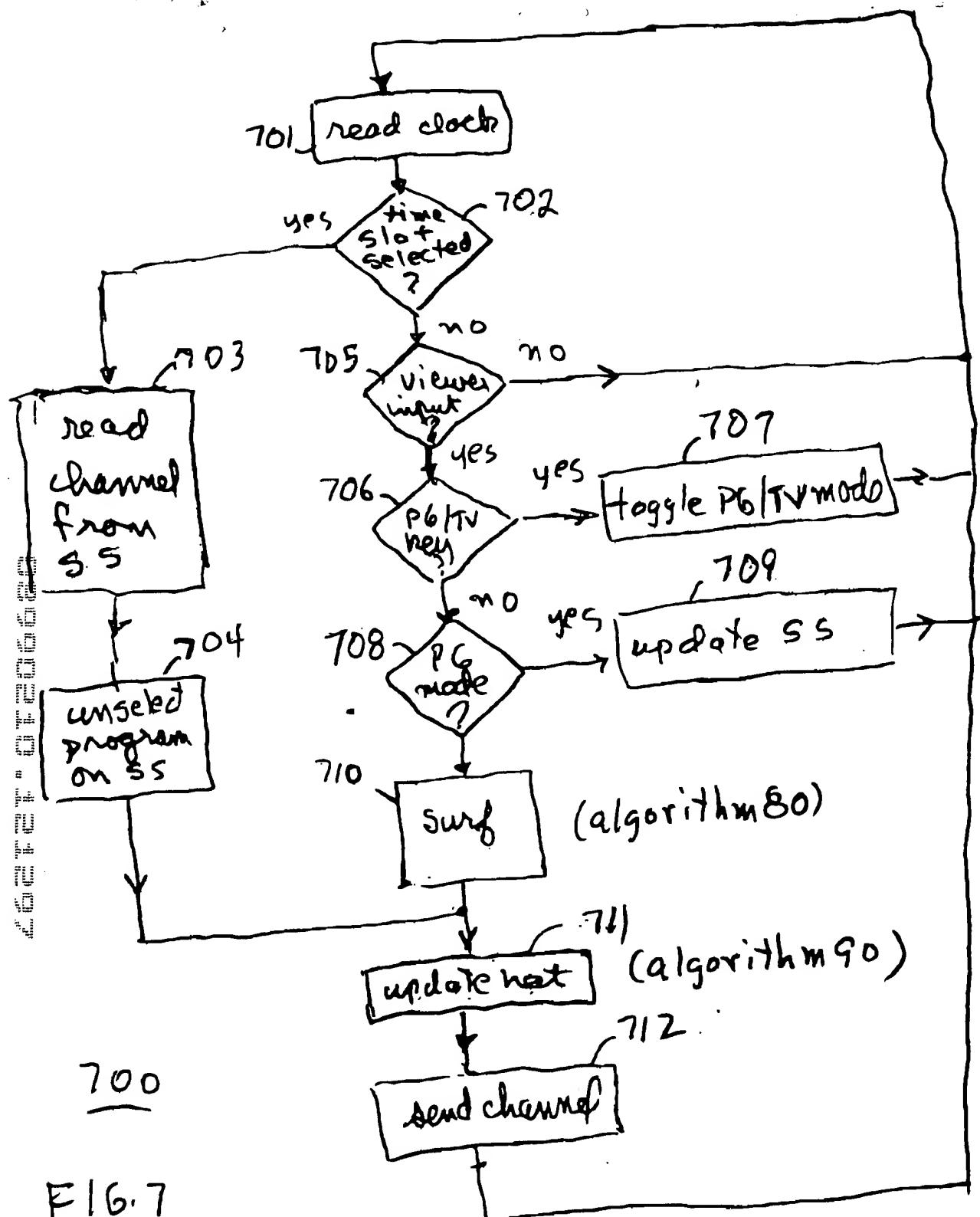


FIG. 7

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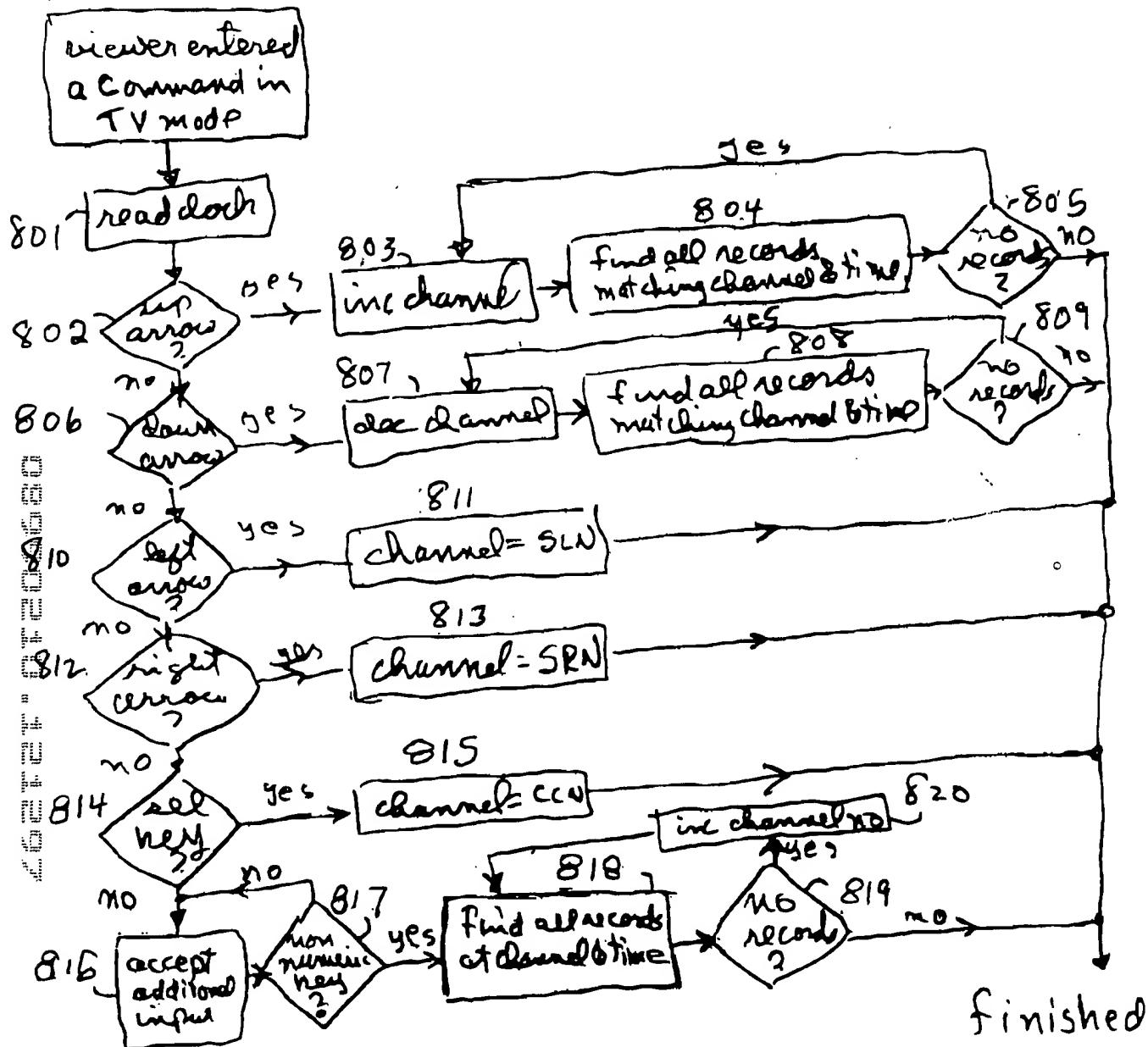
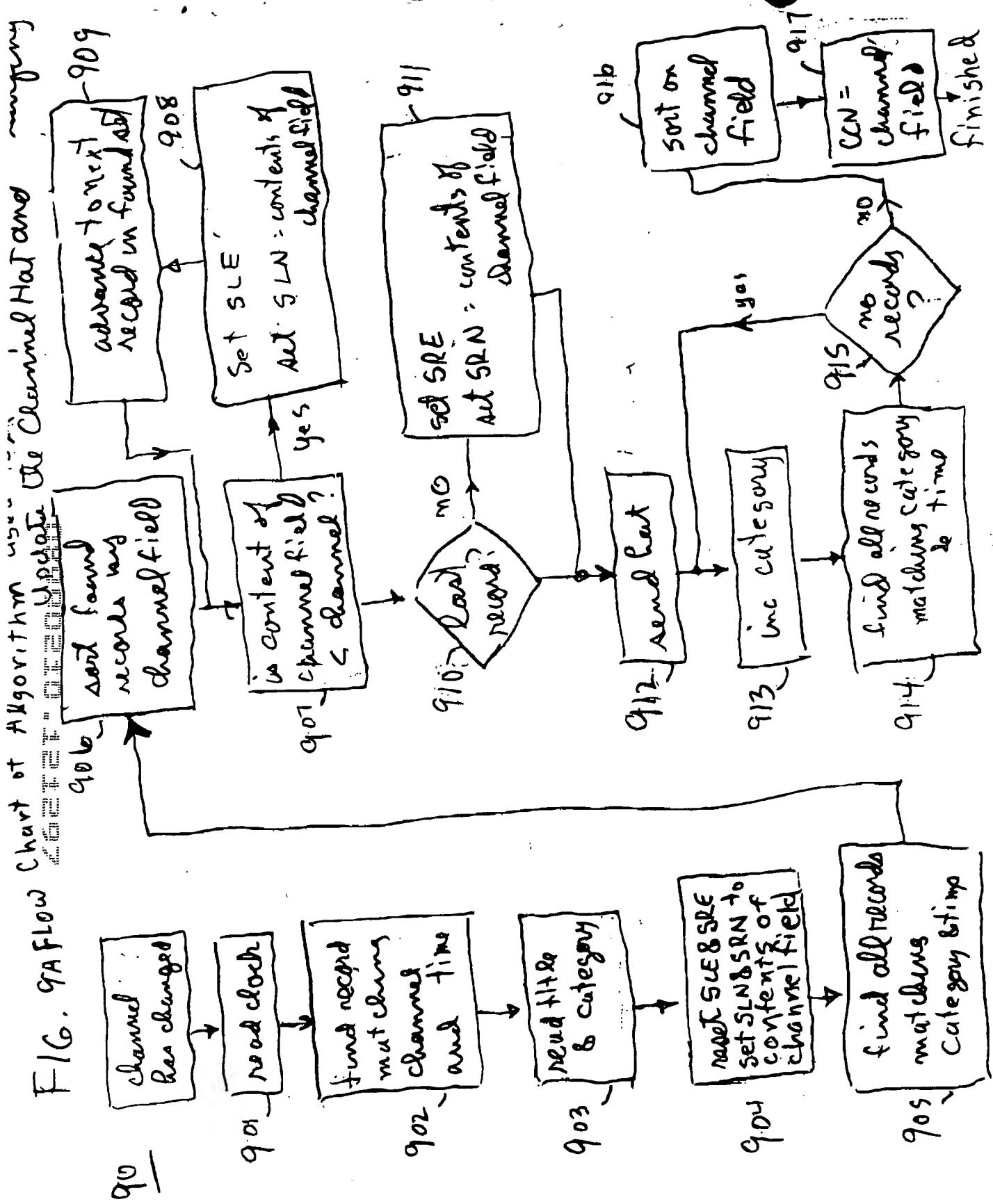


FIG. 8 Flow Chart of Algorithm used in Selecting Channels and Surfing in TV mode.

**Fig. 9A Flow Chart of Algorithm used to Update the Channel Hat and Category**



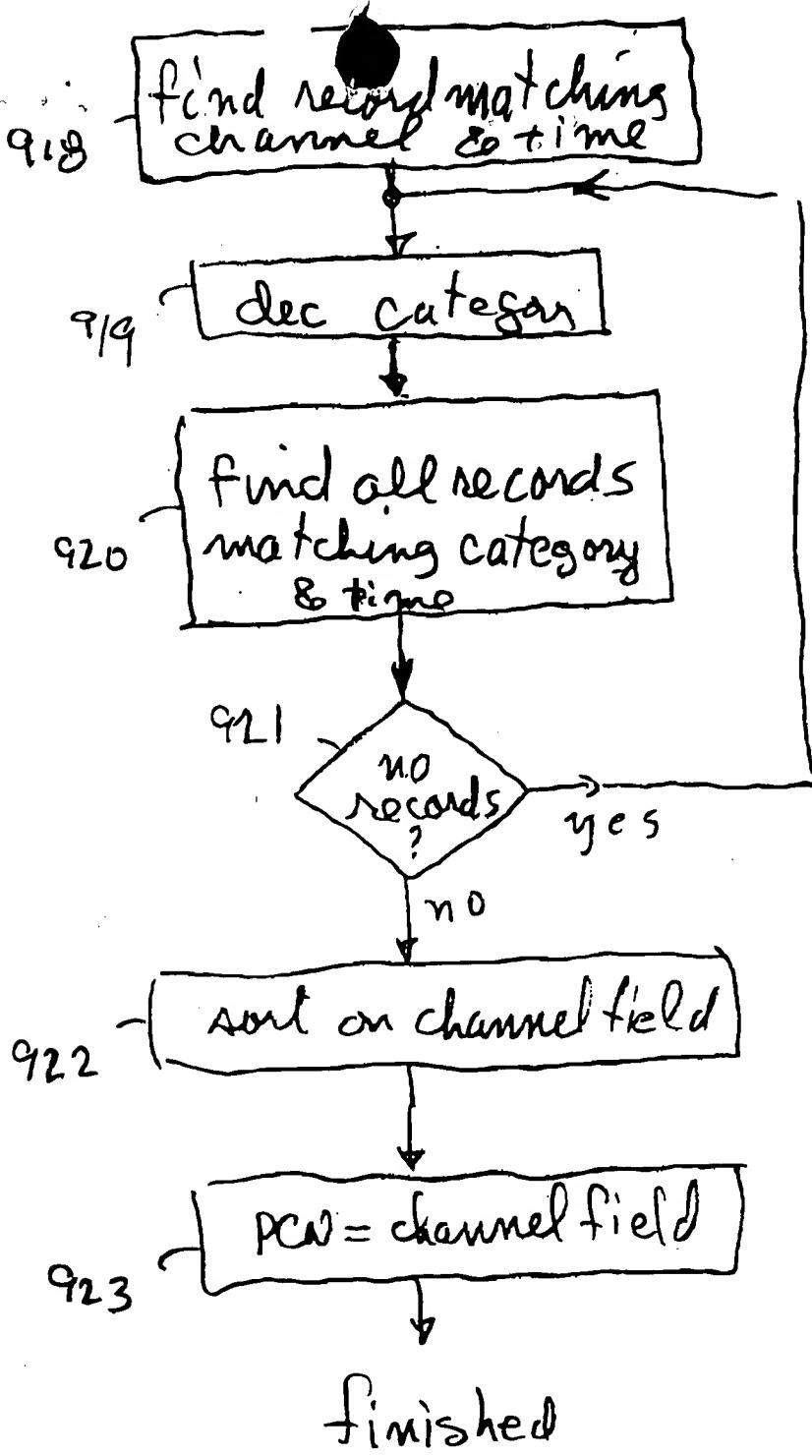


FIG. 9B Steps Added to Algorithm 90  
to Prepare for Surfing to a  
Channel Carrying a Program in the  
Previous Category